Agenda #8

NYISO Real Time Scheduling (RTS)

Management Committee 3-7-02

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Concept: Simple…

TODAY:

BME

&

SCD

2003:

RTS:
Real Time Scheduling
Consists of 3 Components:

- RTC
- RTD
- RTD-CAM

RTS: What is it?

In general:

- Three components:
  - RTC: Real Time Commitment
  - RTD: Real Time Dispatch
  - RTD-CAM: RTD w/Corrective Action Mode
- All based on the same engine as SCUC
- All share common network model and security analysis

RTC

- Executes every 15 minutes
  - Schedules generation every 15 minutes
  - Schedules transactions every 15 minutes
    - ☑Initially this will be hourly
  - Commits ALL GTs
  - Uses a three hour look ahead window

RTD

- Executes every 5 minutes
  - Uses RTC unit selection
    - Notably GTs
  - Dispatches all generation
  - Schedules optimized RT Ancillary Services
    - RTD vs. RTC under discussion
  - Has a one hour look ahead window

RTD-CAM

- Executes by exception
  - Need for Reserves Pickup, Stormwatch etc.
  - Dispatch quick start GTs
  - Decisions require re-synchronization of RTC and RTD

OK, what else do we get?

Proposed are a number of changes to market rules and operation:

- Ability to self-commit and self-schedule
- Units receive:
  - 5 & 15 minute schedules
  - Look ahead advisory schedules
- GT startup costs included in RTC decisions

And…

- Ex-post pricing
- Two Settlements for Ancillary Services
- Closing time 60 minutes before the hour
- SNETs*
  - Allowed 30 minutes prior to 15 min interval
- Internal RT bilateral schedules can change any time prior to settlement

* Short Notice External Transactions

Design Process…

- Currently underway with NYISO Staff and the MSWG
- High level overview on 2-5-02
- Draft ConOps and Presentations available
- Structural approach in detail on 2-26-02
  - Included presence by ISO-NE staff
- MSWG meets 3-18&19 and 4-10&11

RTS: Issues

- Revisiting Structural Approach on 3-18
  - Have issue list from 2-26 MSWG
- Move on to Energy & AS Markets:
  - Pricing
  - Settlements
  - Billing processes
  - Data posting and access